

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special					Test Date: 5-24-85	
Company: Amoco Production Company				Connection:		
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb		Unit: BDCDGU
Completion Date: 12-13-83		Total Depth: 2958'		Plug Back TD: 2788'		Elevation: 4673'
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2958'	Perforations: From To		Well No.: 1835 201G
Tbg. Size: 3-1/2"	Wt.: 9.3#	d:	Set At: 2405'	Perforations: From 2446' To 2518'		Unit: G Sec: 20 Twp: 18 Rge: 35
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At: 2377'		County: Union
Producing Thru: Tubing		Reservoir Temp. °F: 93°@ 2482'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2
L: 2482'		H: 2482'	G _g : 1.529	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0
Prover:					Meter Run: 4.0"	Taps: Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							297			
1.	4.025 x 2.25			210	31	58	222.2	50		
2.	4.025 x 2.25			220	25	58	232.2	50		24 hrs
3.	4.025 x 2.25			258	12	58	270.2	50		24 hrs
4.	4.025 x 2.25			278	7	59	290.2	50		24 hrs
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							1789
2							1646
3							1251
4							1012
5							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1					0	0	1.529	X X X X X X X X	1072	547
2										
3										
4										
5										

P _c : 309.2	P _c ² : 95.605	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.07$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.35$
NO.	P _t ²	P _w	P _w ²
1		222.2	46.232
2		232.2	41.688
3		270.2	22.597
4		290.2	11.389
5			

Absolute Open Flow: 2410 Mcfd @ 15.025		Angle of Slope θ: .41
Remarks:		
Approved by Commission: Conducted By: Calculated By: D. D. Kimble Checked By:		

1835 2016

46 7200

K₀Σ LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSLER CO. MADE IN U.S.A.

A0F=24/10

P₁ P₂ P₃ P₄

$$Q = MCF$$

100 1.5 2 2.5 3 4 5 6 7 8 9 1000 1.5 2 2.5 3 4 5 6 7 8 9 10